

FIG. 1

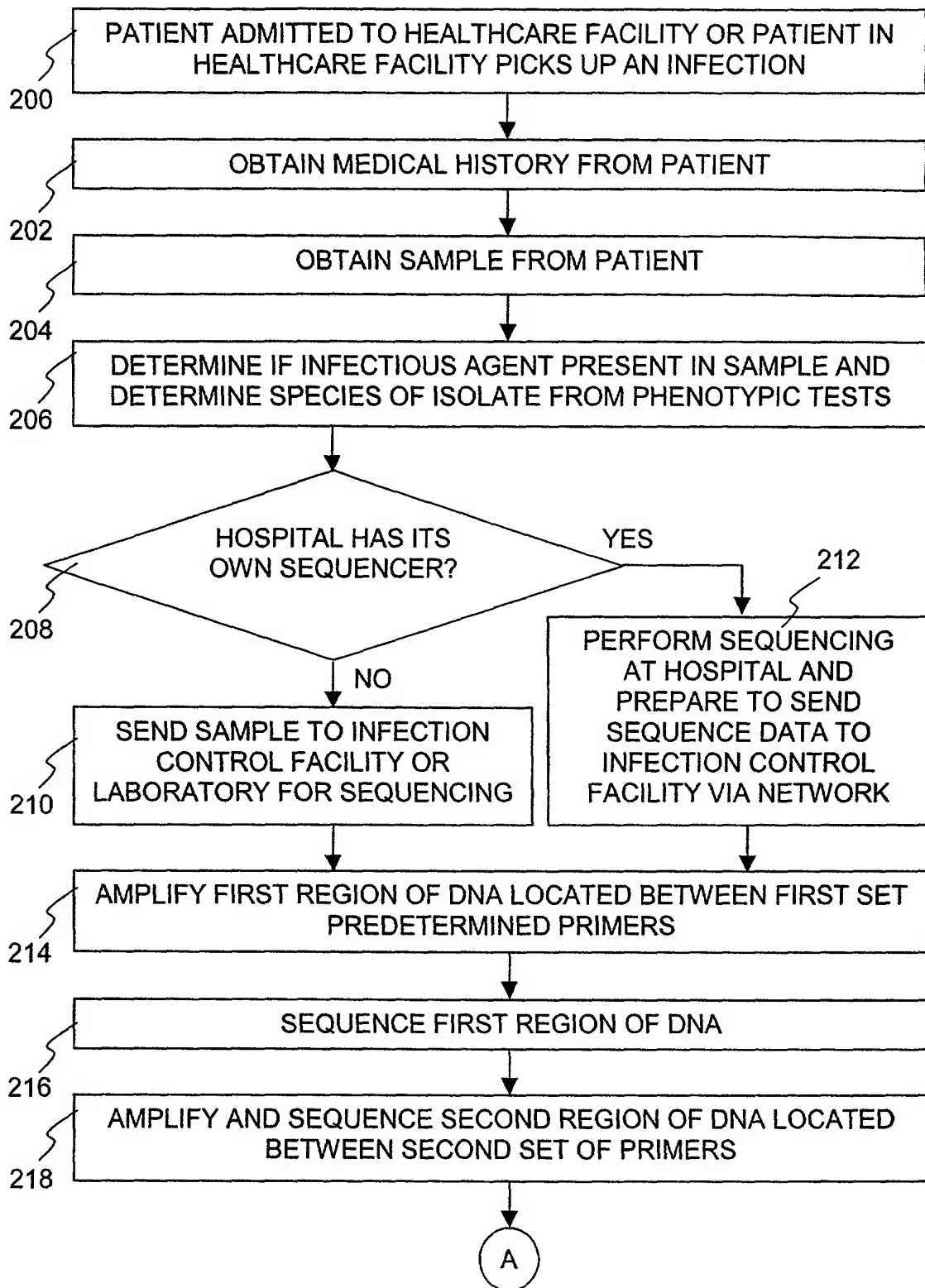


FIG. 2A

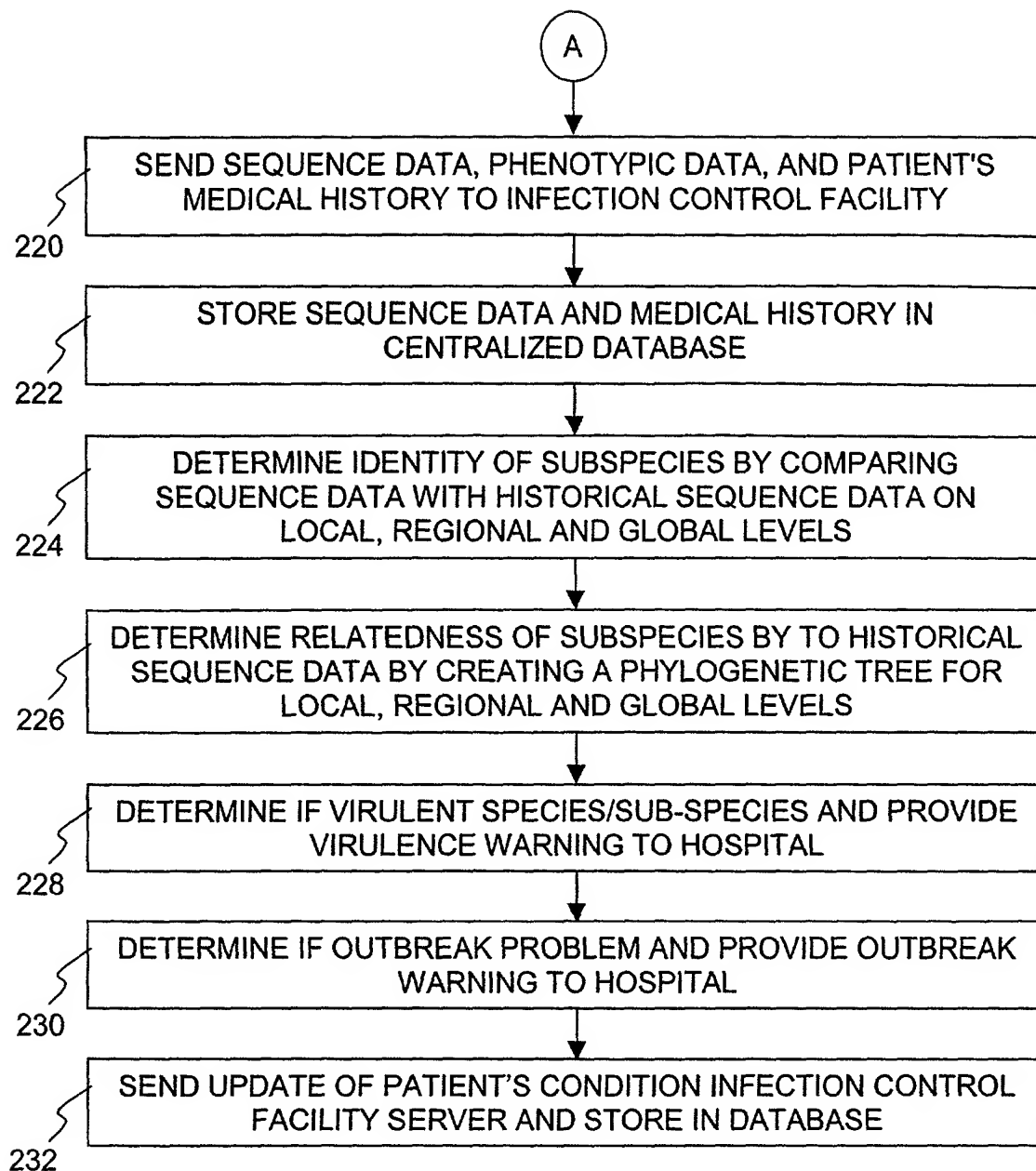


FIG. 2B

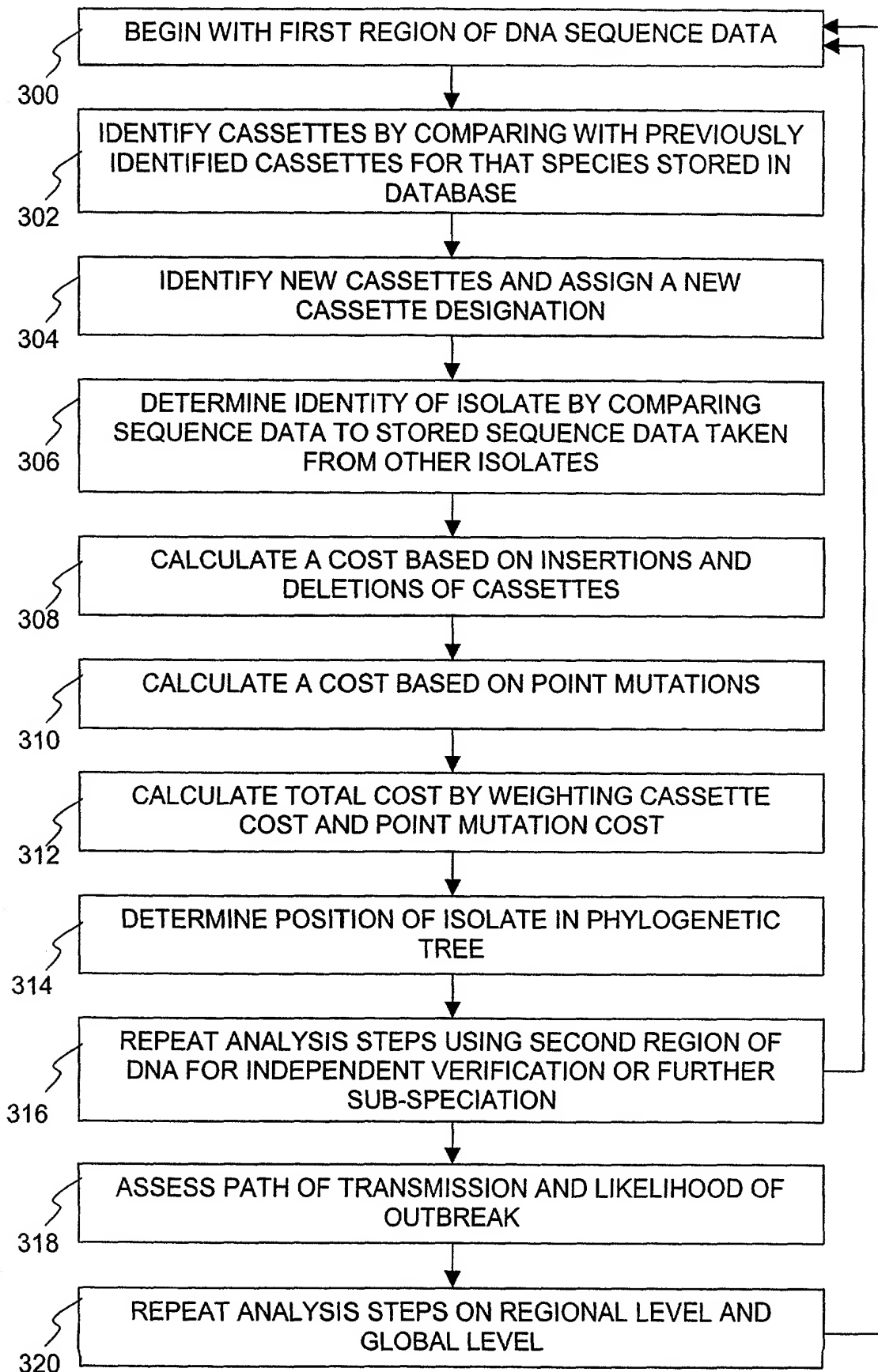


FIG. 3

400

T	GAGGAAGACAACAAAAACCTGGT
A	AAAGAAGACAACAAAAACCTGGC
B	AAAGAAGACAACAAAAACCTGGT
E	AAAGAAGACAACAACAAACCTGGT
G	AAAGAAGACAACAACAAGCCTGGT
D	AAAGAAGACAACAACAAACCTGGC
J	AAAGAAGACGGCAACAAACCTGGC
K	AAAGAAGACGGCAACAAACCTGGT
M	AAAGAAGACGGCAACAAGCCTGGT

FIG. 4A

404

GAGGAAGACAACAAAAACCTGGTAAAGAAGACGGCAACAAACCTGGCAAAGAA
 GACGGCAACAAGCCTGGTAAAGAAGACAACAACAAACCTGGTAAAGAAGACGGC
 AACAAGCCTGGTAAAGAAGACAACAACAAACCTGGCAAAGAAGACGGCAACAAG
 CCTGGTAAAGAAGACAACAAGCCTGGTAAAGAAGACGGCAACAAGCCTGGT
 AAAGAAGACGGCAACAAACCTGGT

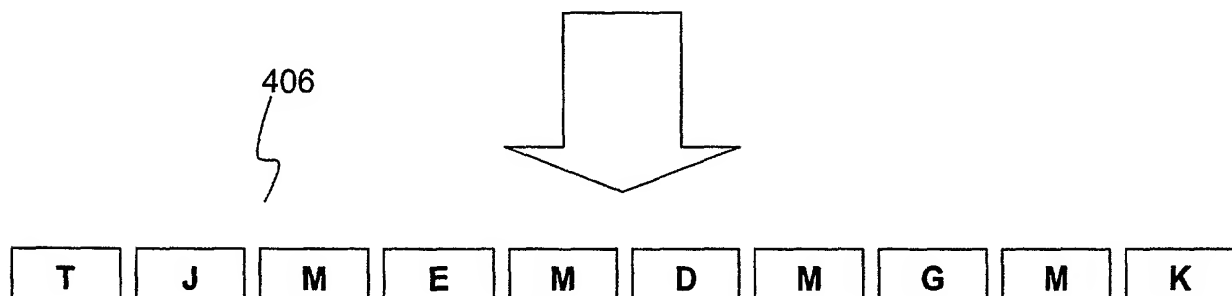


FIG. 4B

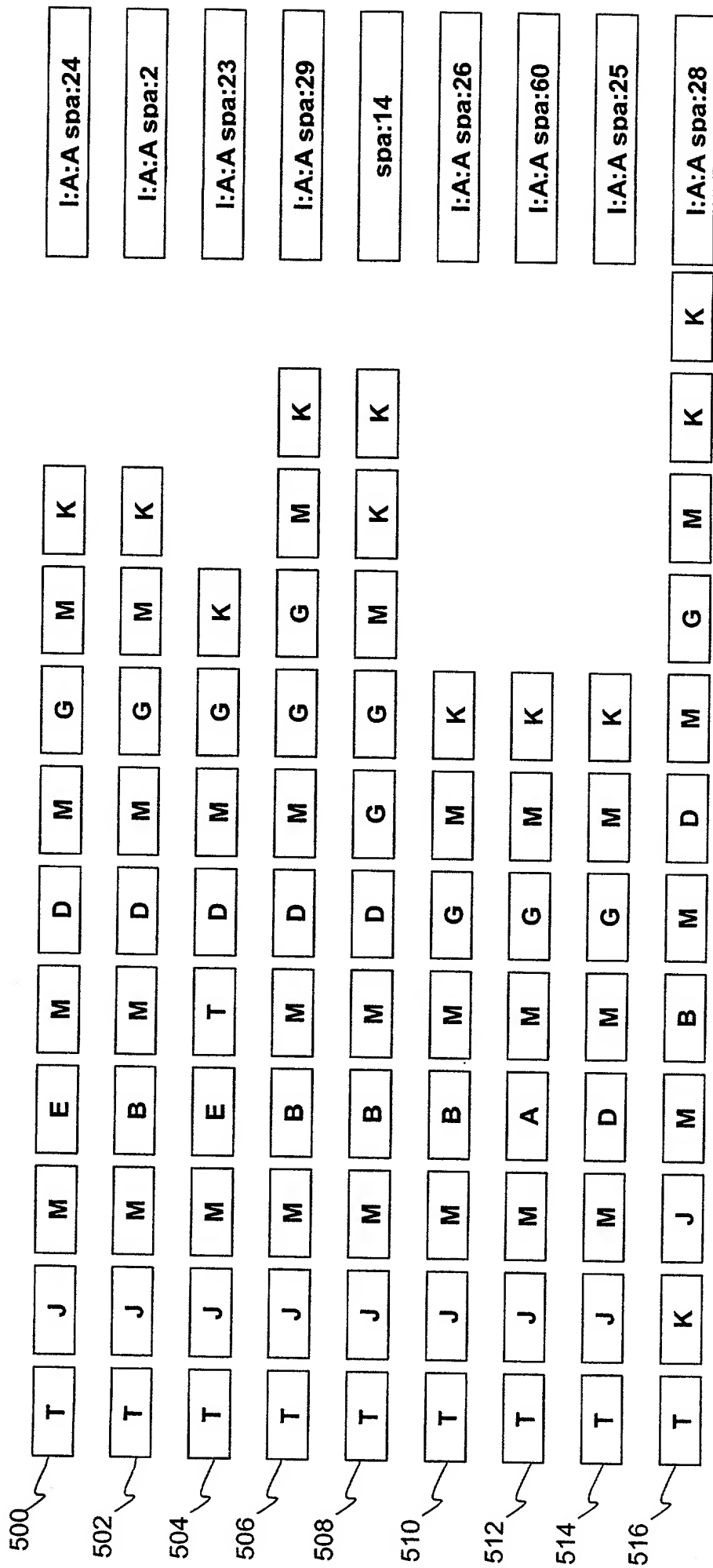


FIG. 5

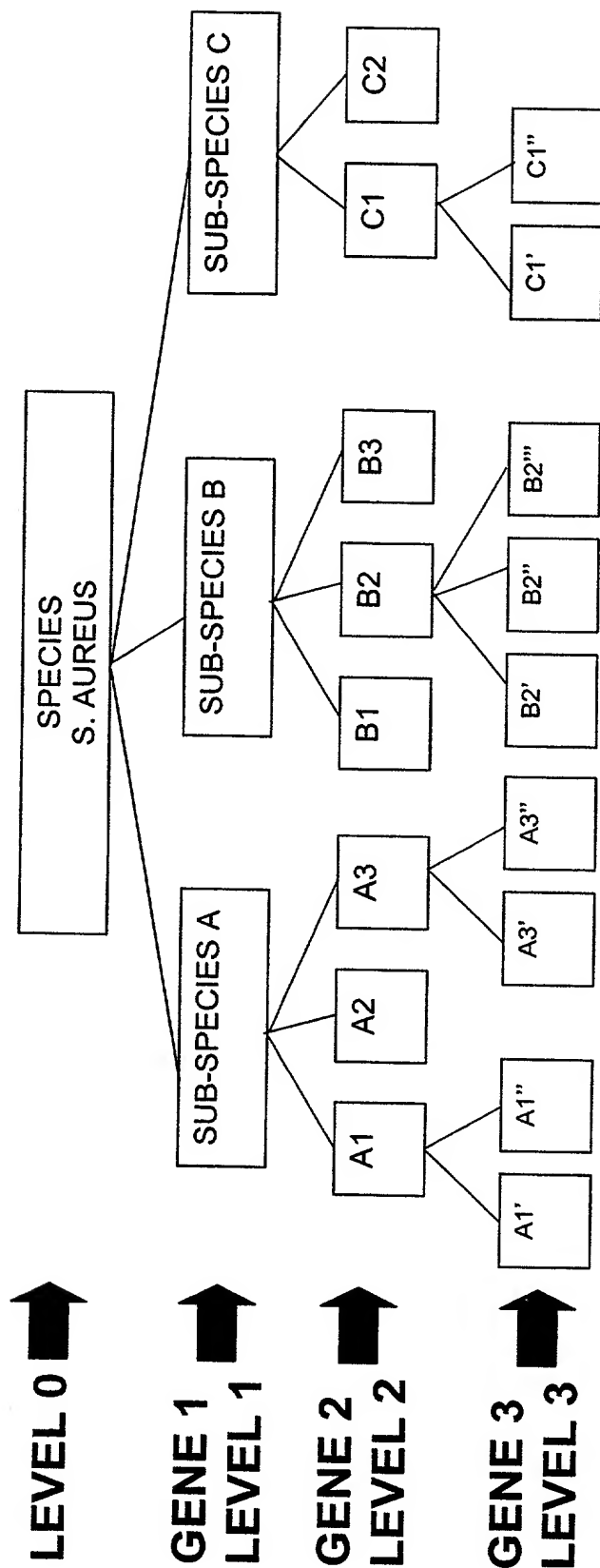


FIG. 6

SPECIES	S. aureus	S. aureus	
SUBSPECIES	A1'	B7"	
SEQ REGION 1	ATTCATAGAT...		
SEQ REGION 2	CGTACTATCC...		
SEQ REGION 3	ATTCGTTATA...		
REGION 1 PRIMERS			
REGION 2 PRIMERS			
REGION 3 PRIMERS			
REPEATS REGION 1	TKJMP..		
REPEATS REGION 2	ABABA		
REPEATS REGION 3	TYYT		
DATE	June 5, 2000		
PATIENT MEDICAL HISTORY	Hospitalized in New York Hospital, June 2000 for 3 weeks, heart surgery...		
PATIENT MEDICAL UPDATE INFO	Patient hospitalized 3 weeks for infection and released....	Patient died due to infection after two weeks...	
LOCATION	Mt. Sinai Hospital, Toronto, Burn Ward	New York City Hospital, ICU	
PHAGE TTYPE			

FIG. 7A

S. AUREUS			
SEQ REGION	REPEAT 1	REPEAT 2	REPEAT 3
PROTEIN A X _R	AATTCGCCTAGG..	AATTCCCCTAGG..	TAGGCCGT...
	..		
REGION 2	TTAAAGGCCTGA..	GGTTCCAATAAT..	GGTTAACC..
	.		
REGION 3			

FIG. 7B

9

[illegible]

SEO ID NO 38

GTG TAC GCG CCG TCA TCG CAG TCG TCA TCG TCG TCG TCG TCG TCG
GTA CCG CAG C TAC TAC TAC TAC CCG CCG TCG TCG TCG TCG TCG TCG
CTA TCG CCG TAC TAC TCG TCG TAC TCG TCG TCG TCG TCG TCG TCG
GTA CTT CAG CCG TAC TCG TCG TCG TCG TCG TCG TCG TCG TCG TCG
GTG TCG TCG CCG TCG TCG TCG TCG TCG TCG TCG TCG TCG TCG
GTG TCG TCG CCG TCG TCG TCG TCG TCG TCG TCG TCG TCG TCG
GTG TCG TCG CCG TCG TCG TCG TCG TCG TCG TCG TCG TCG TCG
GTA TCG TCG CCG TCG TCG TCG TCG TCG TCG TCG TCG TCG TCG
GTG TCG TCG CCG TCG TCG TCG TCG TCG TCG TCG TCG TCG TCG
GTA TCG TCG CCG TCG TCG TCG TCG TCG TCG TCG TCG TCG TCG
GTA TCG TCG CCG TCG TCG TCG TCG TCG TCG TCG TCG TCG TCG
GTG TCG TCG CCG TCG TCG TCG TCG TCG TCG TCG TCG TCG TCG

SEQ ID NO 25

SEQ ID NO 27

SEQ ID NO 29

SEQ ID NO 31

SEQ ID NO 34

SEQ ID NO 36

SEO ID NO. 23

MTEFWPLLWLLSFT				
VLCVLLSLVLLVALV	SEQ	ID	NO	39
VLEALLSLVLLVLLV	SEQ	ID	NO	40
VLCVLLSFVLLVSLV	SEQ	ID	NO	41
VLEVLLSLVLLVSLV	SEQ	ID	NO	42
VLCVLLSLVLLVSLV	SEQ	ID	NO	43
VLCVLLSLVLLVSLV				
VLEVLLSLVLLLSLV	SEQ	ID	NO	44
VLCVLLSEVLLLSLV	SEQ	ID	NO	45
VLCVLLSLVLLVSLV				
VLCVLLSFVLLVSLV				
VLEVLLSLVLLVLLV	SEQ	ID	NO	46
VLCVLLSFVLLVSLV	SEQ	ID	NO	47
VLEVLLSLVLLVSLV				
VLEVLLSLVLLVSV	SEQ	ID	NO	48
DESTNRSNAVEMVCVN				

GAT Iteration 1
GAT Iteration 2
GAT Iteration 3
GAT Iteration 4
GAT Iteration 5
GAT Iteration 6
GAT Iteration 7
GAT Iteration 8

SEQ ID NO 52

SEQ ID NO 59

SEQ ID NO 53

Fig. 9C

AATAATGAGAATGTTGTACGTTATGGTGGTGGAAAGTGCTGATGGTGATTCAGCAGTAAATCCGAAAGACCCATGTCG

[REDACTED]

GATTCGGATTCAGACAGT	SEQ ID NO 55
GACTCAGGCTCAGACAGC	SEQ ID NO 56
GACTCAGGTTTCAGATAGC	SEQ ID NO 57
GACTCAGAATCAGATAGC	SEQ ID NO 58
GATTCGGATTCAGACAGT	
GATTCAGATTCAGACAGC	SEQ ID NO 59
GACTCAGAATCAGATAGC	
GATTCAGAATCAGATAGC	SEQ ID NO 60
GACTCAGATTCAGATAGC	SEQ ID NO 61
GATTCAGATTCAGATAGC	SEQ ID NO 62
GATTCAGATTCAGATAGC	
GATTCGGATTCAGACAGT	
GATTCAGATTCAGACAGC	
GACTCAGAATCAGATAGC	
GACTCAGAATCAGATAGT	SEQ ID NO 63
GAGTCAGATTCAGACAGT	SEQ ID NO 64
GACTCGGACTCAGACAGT	SEQ ID NO 65
GATTCAGACTCAGATAGC	SEQ ID NO 66
GATTCAGACTCAGATAGC	
GATTCAGATTCAGACAGC	
GACTCAGATTCAGACAGC	SEQ ID NO 67
GACTCAGACTCAGATAGC	SEQ ID NO 68
GACTCAGACTCAGACAGC	SEQ ID NO 69
GACTCAGATTCAGATAGC	
GATTCAGACTCAGACAGC	SEQ ID NO 70
GACTCAGACTCAGACAGC	
GACTCAGACTCAGATAGC	
GACTCAGATTCAGATAGC	
GATTCAGACTCAGACAGC	
GACTCAGATTCAGATAGC	
GATTCGGACTCAGACAGC	SEQ ID NO 71
GATTCAGATTCAGACAGC	
GACTCAGACTCGGATAGC	SEQ ID NO 72
GATTCAGATTCAGATAGC	
GATTCGGATTCAGACAGT	
GATTCAGATTCAGACAGC	
GACTCAGACTCGGATAGC	
GACTCAGACTCAGACAGC	
GATTCAGACTCAGATAGC	
GACTCAGACTCGGATAGC	
GACTCGGATTCAGATAGC	SEQ ID NO 73
GACTCAGACTCAGATAGT	SEQ ID NO 74
GACTCCGATTCAAGAGTT	SEQ ID NO 75

ACACAAAAGTATGCTTTACCA

Fig. 10B

Repeat pattern isolate 1:

1-2-3-4-1-5-4-6-7-8-8-1-5-4-9-10-11-12-12-5-13-14-15-7-16-15-14-7-16-7-17-5-18-8-1-5-18-15-12-18-19-20-21

Fig. 10E

TCAGCAGTAAATCCGAAAGACCCAACTCCAGGGCCGCCGGTTGAC

GATTCGGATTTCAGACAGT

GACTCAGGCTCAGACAGC

GACTCAGGTTTCAGATAGC

GACTCAGAATCAGATAGC

GATTCGGATTTCAGACAGT

GATTCAGATTTCAGACAGC

GACTCAGAATCAGATAGC

GATTCAGAATCAGATAGC

GACTCAGATTTCAGATAGC

GATTCAGATTTCAGATAGC

GATTCAGAATCAGATAGC

GATTCGGATTTCAGACAGT

GATTCAGATTTCAGACAGC

GACTCAGAATCAGATAGC

GACTCAGAATCAGATAGT

GAGTCAGATTTCAGACAGT

GACTCGGACTCAGACAGT

GATTCAGACTCAGATAGC

GATTCAGACTCAGATAGC

GATTCAGACTCAGACAGC

GATTCAGATTTCAGACAGC

GACTCAGAATCAGACAGC

GACTCAGACTCAGATAGC

GACTCAGACTCAGACAGC

GACTCAGATTTCAGATAGC

GATTCAGACTCAGACAGC

GACTCAGACTCAGACAGC

GATTCAGACTCAGATAGC

GATTCAGACTCAGACAGC

GACTCAGATTTCAGATAGC

GATTCGGACTCAGACAGC

GATTCAGATTTCAGACAGC

GACTCAGACTCGGATAGC

GATTCAGATTTCAGACAGC

GACTCAGACTCGGATAGC

GACTCGGATTTCAGATAGT

GACTCCGATTCAAGAGTT

SEQ ID NO 79

SEQ ID NO 80

GCACCATCAAATCCTAAAGGTCAAGTAAACCATTCTAATAAGGTATCAAAAACA
ACACAAAAGTATGCTTTACCAGAAACAGGAGATAAGAGCGAAAACACAAATGCAACTTTATTTGGTGAATG

Fig. 10C

Repeat pattern isolate 2:

1-2-3-4-1-5-4-6-7-8-6-1-5-4-9-10-11-12-12-16-5-22-14-15-7-16-15-14-16-7-17-5-18-5-18-23-21

Fig. 10F